

A photograph of a subway platform gap. In the foreground, a yellow sign with black text reads "MIND THE GAP". Above the gap, there is a metal safety rail. The background shows the interior of a subway car.

Minding the Biodiversity Monitoring Gap

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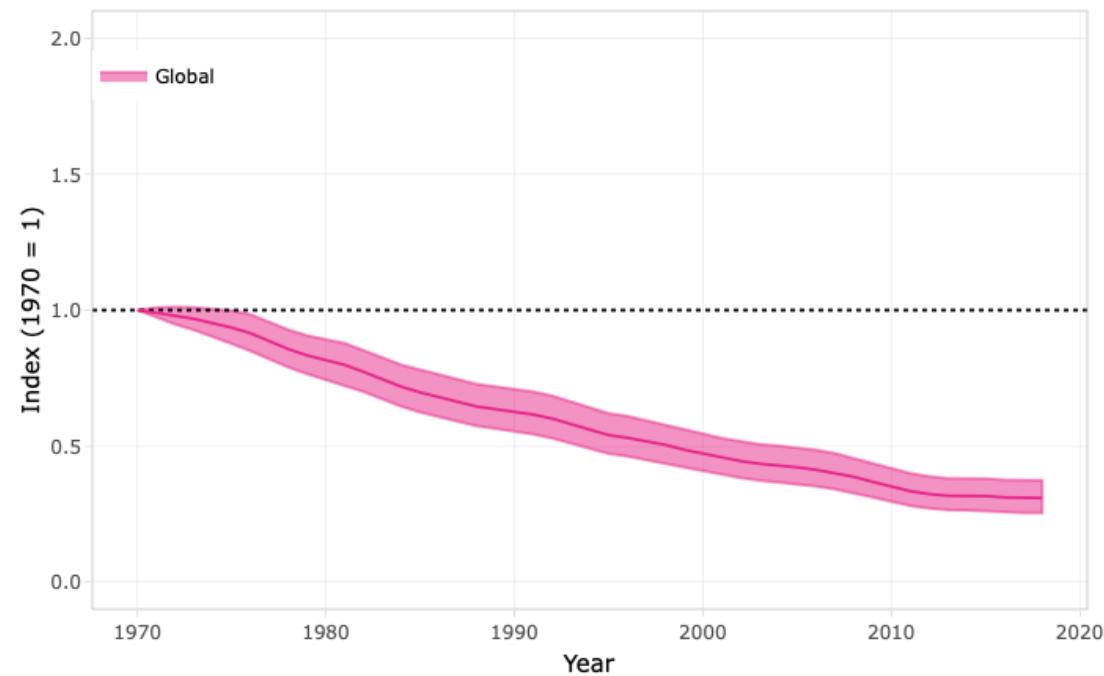
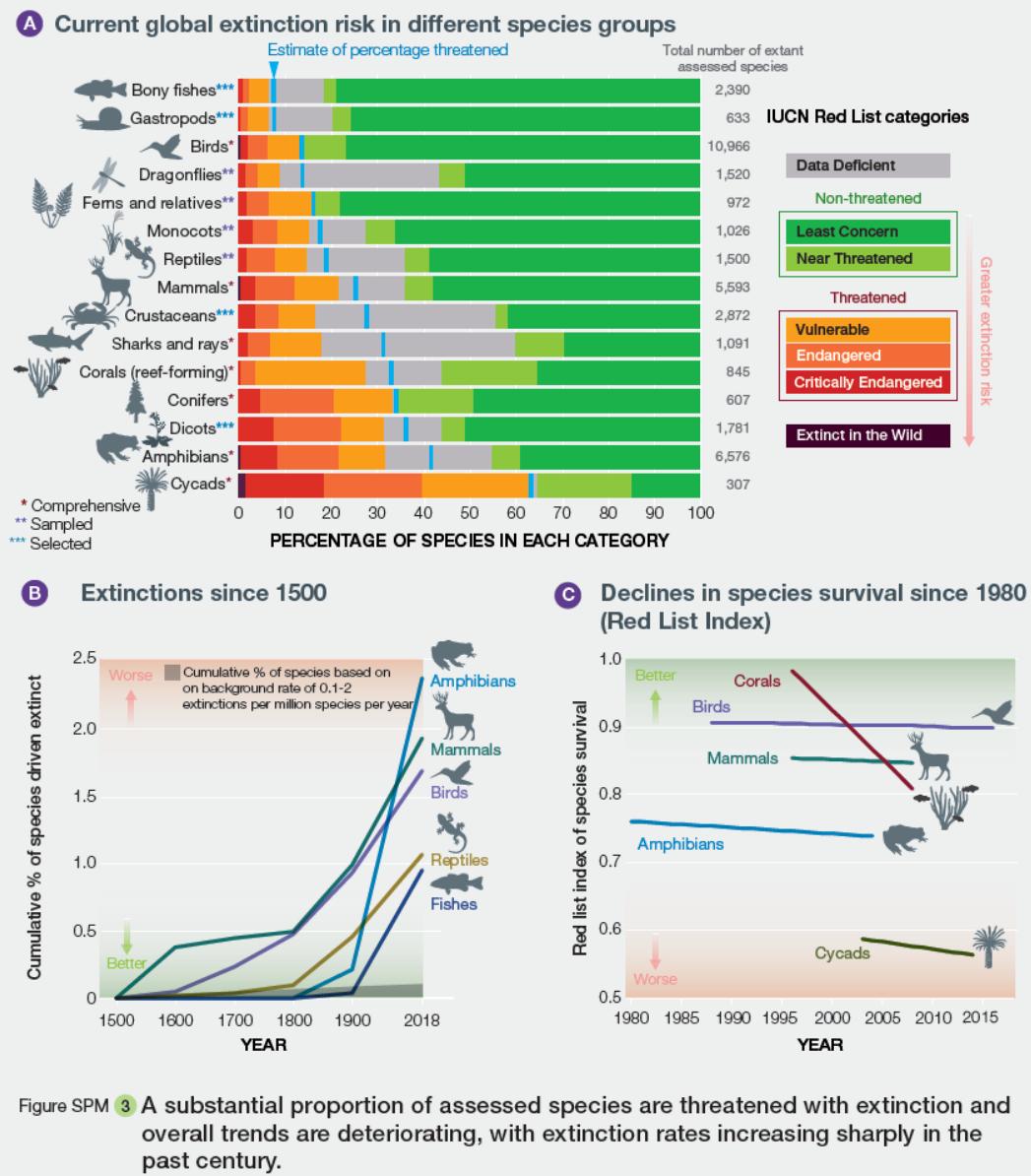
NASA Biodiversity &
Ecological Conservation
Team Meeting

May 8, 2023

The Hotel, College Park, MD

Bad News

Good News



Living Planet Index at https://www.livingplanetindex.org/latest_results

Parallelism

Climate Global Mechanisms

Policy: UNFCCC

Assessment: IPCC

Observations: GCOS → ECVs

Biodiversity Global Mechanisms

Policy: CBD (also Ramsar, CMS CITES)

Assessment: IPBES

Observations: GEO BON → EBVs

Climate Domestic Mechanisms

Policy: EO 14008

Assessment: NCA

Observations: USGCRP

Biodiversity Domestic Mechanisms

Policy: EO 14008

Assessment: NNA

Observations: Marine BON

We Have a Framework



<https://www.flickr.com/photos/150988932@N04/52573109390/in/album-72177720304571598/> (CC BY 2.0)

Overarching Gap: Monitoring

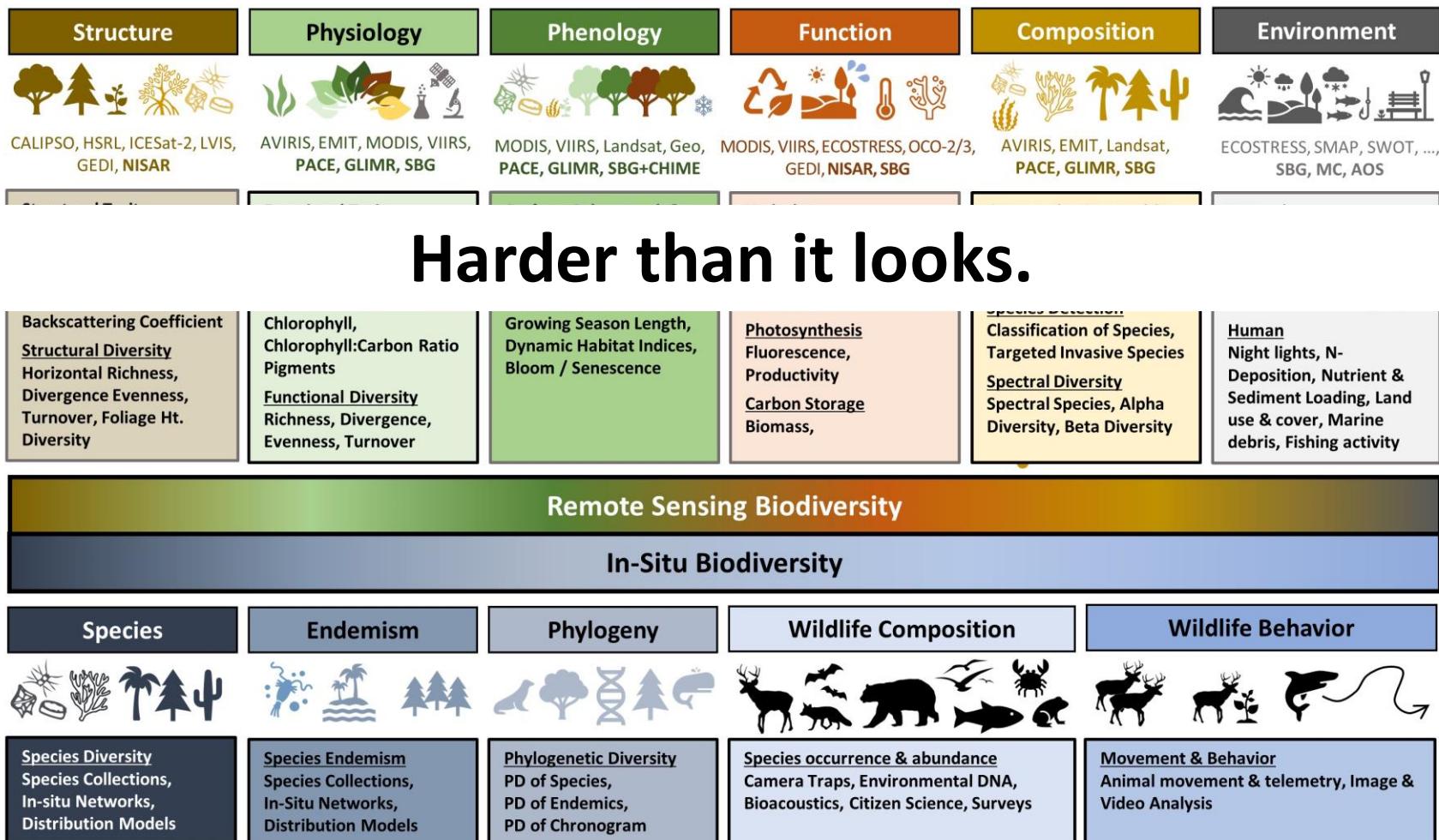


Figure courtesy JPL/F. Schneider, M. Gierach, R. Pavlick

NASA Earth Information System (EIS)



Transformed Data



New Data Products

Transform & Publish



Archived Data

Transform & Publish

Publish



Collaborative Cloud Environment
for data processing, analysis, and
scientific software development



Visualization, Analysis, and GIS



Let's Get on the Train

